BAB 5
KESIMPULAN DAN SARAN

5.1 Kesimpulan

1. Metode pengendapan ammonium sulfat dapat digunakan untuk pemurnian parsial enzim L-asparaginase dari bakteri dan fungi. Namun demikian pengendapan ammonium sulfat saja tidak cukup baik untuk pemurnian enzim sehingga harus dilakukan kombinasi metode pemurnian menggunakan kromatografi.
2. Konsentrasi kejenuhan ammonium sulfat minimal untuk proses pengendapan enzim L-asparaginase adalah 30% dan konsentrasi kejenuhan ammonium sulfat optimal pada pengendapan enzim L-asparaginase adalah 80%.
3. Aktivitas spesifik enzim L-aspraginase dapat ditentukan dengan menggunakan metode Nessler setelah melakukan beberapa proses pemurnian atau enzim cukup murni.

5.2 Saran

1. Sebaiknya dilakukan kombinasi pemurnian enzim L-asparaginase menggunakan metode kromatrografi untuk menghilangkan protein pengotor yang masih tersisa sehingga mendapatkan aktivitas enzim dan tingkat kemurnian yang lebih tinggi.
2. Pada proses pemurnian enzim perlu disertai dengan analisis SDS-PAGE untuk membantu identifikasi hasil dari proses pemurnian tersebut serta mengetahui berat molekul enzim L-asparaginase dari fungi dan bakteri.

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